

# CG Series

## Single Pole Power Rocker Switches

### Features/Benefits

- Bevelled frame
- Illuminated versions available
- Easy panel mount installation

### Typical Applications

- Computers and peripherals
- Small appliances
- Instrument panels
- Industrial controls
- RoHS compliant



### Specifications

#### CONTACT RATING:

UL/CSA: 16 AMPS @ 125 VAC, 10 AMPS @ 250 VAC.

VDE μ T85: 10 AMPS @ 250 VAC, 6 AMPS @ 250 VAC.

ELECTRICAL LIFE: 10,000 make and break cycles at full load.

INSULATION RESISTANCE:  $10^8 \Omega$  min.

DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.

OPERATING TEMPERATURE: -20°C to +85°C

### Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

END CONTACTS: Silver plated.

ALL TERMINALS: Silver plated, copper alloy.

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

### Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-87 through G-89. For additional options not shown in catalog, consult Customer Service Center.

Switch Function	CG101	SPDT On-None-On	CG102	SPST On-None-Off	CG103	SPDT On-Off-On	CG105	SPDT Mom-Off-Mom	CG12 *	SPST On-None-Off									
Actuator	J1	Rocker	J2	**Two-tone rocker	J3	Illuminated rocker	Actuator Color	2	Black	1	White	3	Red	R	Red, illuminated	A	Amber, illuminated	G	Green, illuminated
Mounting Style/Color	S2	Snap-in, black	S1	Snap-in, white															
Termination	05	.250" quick connect																	
Actuator Marking	(NONE)	No marking	D	ON-OFF	H	"O I" - international ON-OFF	P	"O -" international ON-OFF											
Contact Rating	QF	Silver																	
Lamp Rating	(NONE)	No lamp	7	125 VAC neon	8	250 VAC neon													

\* CG12 — for switches with both marking and illumination

\*\* J2 — refer to table on page G-88 for actuator options

Rocker



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Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

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# CG Series

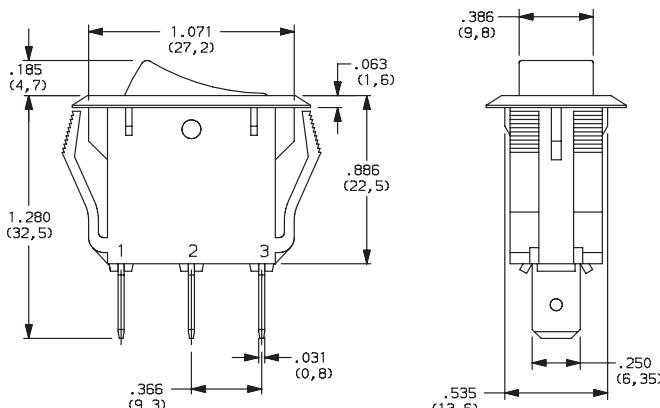
## Single Pole Power Rocker Switches

### SWITCH FUNCTION



NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
SP	CG101	ON	NONE	ON	1-2	N/A	2-3	
	CG102	ON	NONE	OFF	1-2		OPEN	
	CG103	ON	OFF	ON	1-2	OPEN	2-3	
	CG105	MOM	OFF	MOM	1-2	OPEN	2-3	
	CG12 *	ON	NONE	OFF	1-2	N/A	OPEN	

\* CG12 - for switches with both marking and illumination



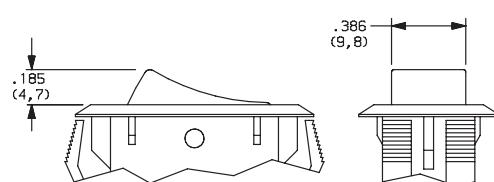
Shown in Pos. 1

### ACTUATOR



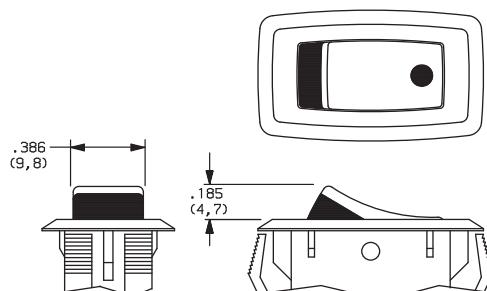
**J1** ROCKER

**J3** ILLUMINATED ROCKER



NOTE: J3 actuator available with CG102 switch function only.

**J2** TWO-TONE ROCKER



NOTE: Available with CG102 switch function only.

Rocker



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# CG Series

## Single Pole Power Rocker Switches

### ACTUATOR COLOR

ACTUATOR	OPTION CODE	ACTUATOR COLOR
J1	2	BLACK
	1	WHITE
	3	RED
J3	R	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

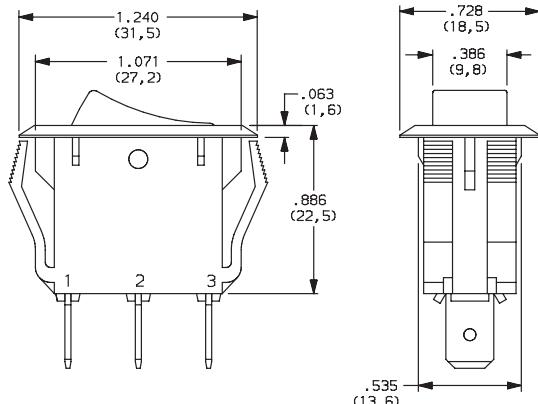
OPTION CODE	ACTUATOR COLOR TOP	ACTUATOR COLOR BOTTOM
1	WHITE	RED
2	WHITE	BLACK
3	RED	WHITE
4	BLACK	WHITE
5	BLACK	RED

J2 actuator only

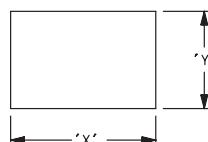
### MOUNTING STYLE/COLOR

**S2** SNAP-IN, BLACK

**S1** SNAP-IN, WHITE



PANEL MOUNTING

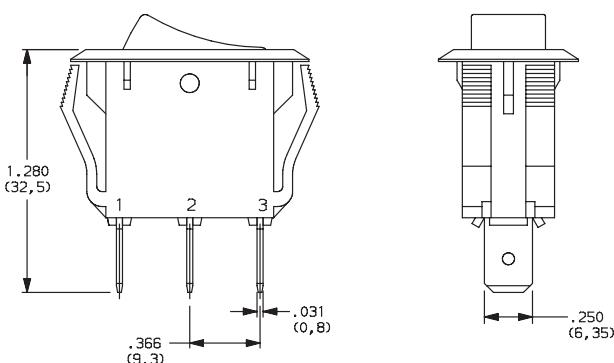


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0.75-1.25)	1.087-.004 (27.6-0.1)	0.543+.004 (13.8+0.1)
0.049-0.079 (1.25-2.0)	1.094-.004 (27.8-0.1)	0.543+.004 (13.8+0.1)
0.079-0.118 (2.0-3.0)	1.102-.004 (28.0-0.1)	0.543+.004 (13.8+0.1)

Shown in Pos. 1

### TERMINATION

**05** .250" QUICK CONNECT



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Shown in Pos. 1



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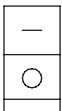
## ACTUATOR MARKING

**NONE** NO MARKING

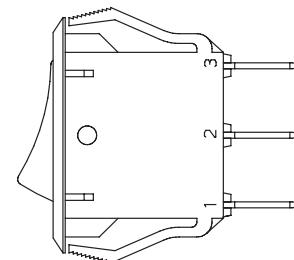
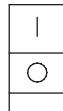
**D** ON-OFF



**H** O I



**P** O -



**NOTE:** Orientation of actuator marking and terminals.

Shown in Pos. 1

## CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
<b>QF</b>	SILVER	POWER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC (UL/CSA) 10 AMPS @ 250 VAC (VDE) $\mu$ T85.

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

## LAMP RATING

**(NONE)** NO LAMP

**7** 125 VAC 33k $\Omega$  NEON

**8** 250 VAC 150k $\Omega$  NEON

**NOTE:** Lamp rating for J3 actuator option.

Rocker



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